ELSEVIER

Lipids and Lipid Metabolism

Vol. 1348, 1997

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

Contents

Information for contributors vii

Preface 1

Chapter IA

sn-Glycerol-3-phosphate acyltransferase from *Escherichia coli*
W.O. Wilkison and R.M. Bell (USA) 3

Chapter IB

Glycerol-3-phosphate acyltransferase in plants
N. Murata and Y. Tasaka (Japan) 10

Chapter IC

Mammalian mitochondrial glycerol-3-phosphate acyltransferase
L.K. Dircks and H.S. Sul (USA) 17

Chapter II

Dihydroxyacetone phosphate acyltransferase
A.K. Hajra (USA) 27

Chapter III

Alkyl-dihydroxyacetonephosphate synthase
H. Van den Bosch and E.C.J.M. De Vet (The Netherlands) 35

Chapter IVA

Phosphatidate phosphatases and diacylglycerol pyrophosphate phosphatases in *Saccharomyces cerevisiae* and *Escherichia coli*
G.M. Carman (USA) 45

Chapter IVB

Phosphatidic acid phosphatase from mammalian tissues: discovery of channel-like proteins with unexpected functions
H. Kanoh, M. Kai and I. Wada (Japan) 56

Chapter VA

Choline kinase from yeast
S. Yamashita and K. Hosaka (Japan) 63

Chapter VB

Choline/ethanolamine kinase from mammalian tissues
K. Ishidate (Japan) 70

Chapter VI

CTP:phosphocholine cytidylyltransferase
C. Kent (USA) 79

Chapter VII

CTP:phosphoethanolamine cytidylyltransferase
B.A. Bladergroen and L.M.G. Van Golde (The Netherlands) 91

Chapter VIIIA

CDP-choline:1,2-diacylglycerol cholinephosphotransferase
C.R. McMaster and R.M. Bell (Canada, USA) 100

Chapter VIIIB

CDP-choline:alkylacetylglycerol cholinephosphotransferase catalyzes the final step in the de novo synthesis of platelet-activating factor
F. Snyder (USA) 111

Chapter IX

CDP-ethanolamine:1,2-diacylglycerol ethanolaminephosphotransferase
C.R. McMaster and R.M. Bell (Canada, USA) 117

Chapter X

Acyl-GPC and alkenyl/alkyl-GPC:acyl-CoA acyltransferases
P.C. Choy, M. Skrzypczak, D. Lee and F.T. Jay (Canada) 124

Chapter XIA

The phospholipid methyltransferases in yeast
M.I. Kanipes and S.A. Henry (USA) 134

Chapter XIB

Phosphatidylethanolamine *N*-methyltransferase from liver
D.E. Vance, C.J. Walkey and Z. Cui (Canada, USA) 142

Chapter XII

Phosphatidylserine synthase I and II of mammalian cells
O. Kuge and M. Nishijima (Japan) 151

Chapter XIIIA

CDP-diacylglycerol synthase of microorganisms
W. Dowhan (USA) 157

Chapter XIIIB

CDP-diacylglycerol synthase from mammalian tissues
A.M. Heacock and B.W. Agranoff (USA) 166

Chapter XIVA

Phosphatidylinositol synthase from yeast
J.-i. Nikawa and S. Yamashita (Japan) 173

Chapter XIVB

Phosphatidylinositol synthase from mammalian tissues
B. Antonsson (Switzerland) 179

Chapter XV

Phosphatidylglycerophosphate synthase from yeast
S.A. Minskoff and M.L. Greenberg (USA) 187

Chapter XVIA

Cardiolipin synthase from *Escherichia coli*
B.E. Tropp (USA) 192

Chapter XVIB

Cardiolipin synthase from yeast
M. Schlame and M.L. Greenberg (Germany, USA) 201

Chapter XVIC

Cardiolipin synthase from mammalian mitochondria
M. Schlame and K.Y. Hostetler (USA, Germany) 207

Chapter XVIIA

Phosphatidylserine synthase from bacteria
K. Matsumoto (Japan) 214

Chapter XVIIB

Phosphatidylserine synthase from yeast
S. Yamashita and J.-i. Nikawa (Japan) 228

Chapter XVIII

Phosphatidylserine decarboxylase
D.R. Voelker (USA) 236

Chapter XIX

1L-*myo*-Inositol-1-phosphate synthase
A.L. Majumder, M.D. Johnson and S.A. Henry (India, USA) 245

Information for Contributors *vi*

Regular papers

Cross-talk between secretory phospholipase A_2 and cytosolic phospholipase A_2 in rat renal mesangial cells
A. Huwiler, G. Staudt, R.M. Kramer and J. Pfeilschifter (Switzerland, USA, Germany) 257

Diacylglycerol partitioning and mixing in detergent micelles: relevance to enzyme kinetics
C. Zhou and M.F. Roberts (USA) 273